

Client order no.	Item-No.	Offer no.
Order no.	Consignment no.	Project

Remarks

Safe Area

U [V]	$\Delta / Y [-]$	F [Hz]	P [kW]	P [hp]	I [A]	n [1/min]	M [Nm]	η [%] 4/4	$\cos\phi$ [-] 4/4	IE-CL [-]
380	Y	75	1.5	-/-	2.65	1500	9.5	90.4	0.95	IE5
IM B3 / IM 1001		FS 90 L	IEC, DIN, ISO, VDE, EN			n_{max} 2250 1/min			IEC/EN TS 60034-30-2	

These values are calculated. The final rating plate data will be calculated when the order is placed
The efficiency values and efficiency class according to EuP directive are valid for standard power ratings under standard conditions.

Sound level (SPL / SWL) 1500 1/min	dB(A)	dB(A)	Vibration severity grade	A
Moment of inertia	0.00226 kg m²		Thermal class	F
Bearing DE NDE	6205 2ZC3	6004 2ZC3	Duty type	S9
Bearing lifetime			Direction of rotation	bidirectional
L _{10mh} F _{Rad min} according catalogue 1500 1/min		40000 h	Frame material	aluminum
Regreasing device	Without		Coating (paint finish)	Standard paint finish C2
Type of bearing	Floating bearings		Color, paint shade	RAL7030
Condensate drainage holes	Without		Motor protection	(B) 3 PTC thermistors - for tripping (standard) (2 terminals)
External earthing terminal	Without		Method of cooling	IC411 - self-ventilated surface-cooled

Input voltage	400-480V +/- 10%	Number of digital inputs / outputs	4DI/2DO
Input frequency	50/60Hz +/- 6%	Number of relay outputs	2RO
Input current	3.10 A	EMC (DIN-EN-61800-3)	C2
Overload capability	135%	Fieldbus	Modbus RTU
Efficiency acc. IEC61800-9-2	IE2	Network configuration	TN / TT
Switching frequency	4.0 kHz	Frame material	Aluminium
Number of analog inputs / outputs	2AI/1AO	Color, paint shade	RAL9005

Environmental conditions	-20°C - 40°C / 1000 m	Total weight	14.9 kg
Protection class IP	IP55	System efficiency class	IES5

1) L_{10min} according to DIN ISO 28110/2010
2) at rated power / at full load
3) Both values are used for motor control to optimize efficient operation.

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Responsible department IN LV	Technical reference	Created by IPC	Approved by	Technical data are subject to change! There may be discrepancies between calculated and rating plate values.		Link documents	
INNOMOTICS	Document type Technical data sheet			Document status Released			
	Document title 1UZ1005-0EK42-1ABO			Document number TDS-260727-094618			
	Restricted © Innomotics 2026			Revision AA	Creation date 2026-07-27		

INNOMOTICS MD - 90 L - IM B3 - 6p - motor including a mounted frequency converter

Implicit options

D24 CE mark on the nameplate (Declarations acc. to the EU Directives)

1) L_{10min} according to DIN ISO 28110/2010

2) at rated power / at full load

3) Both values are used for motor control to optimize efficient operation.

4) The curves were created using calculated data.
Note: Values are given for rated point currents.

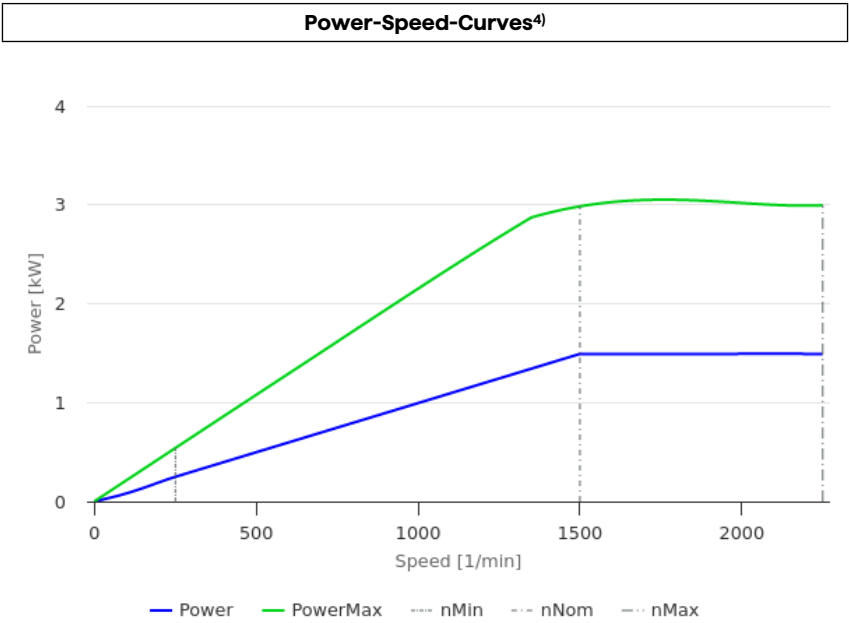
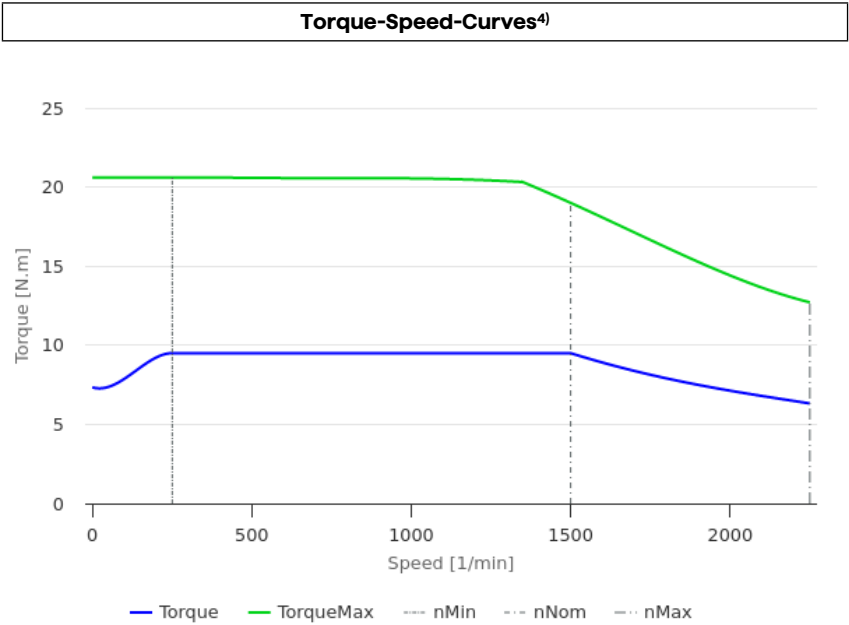
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INNOMOTICS	Document type Technical data sheet			Document status Released		
	Document title 1UZ1005-OEK42-1AB0			Document number TDS-260727-094618		
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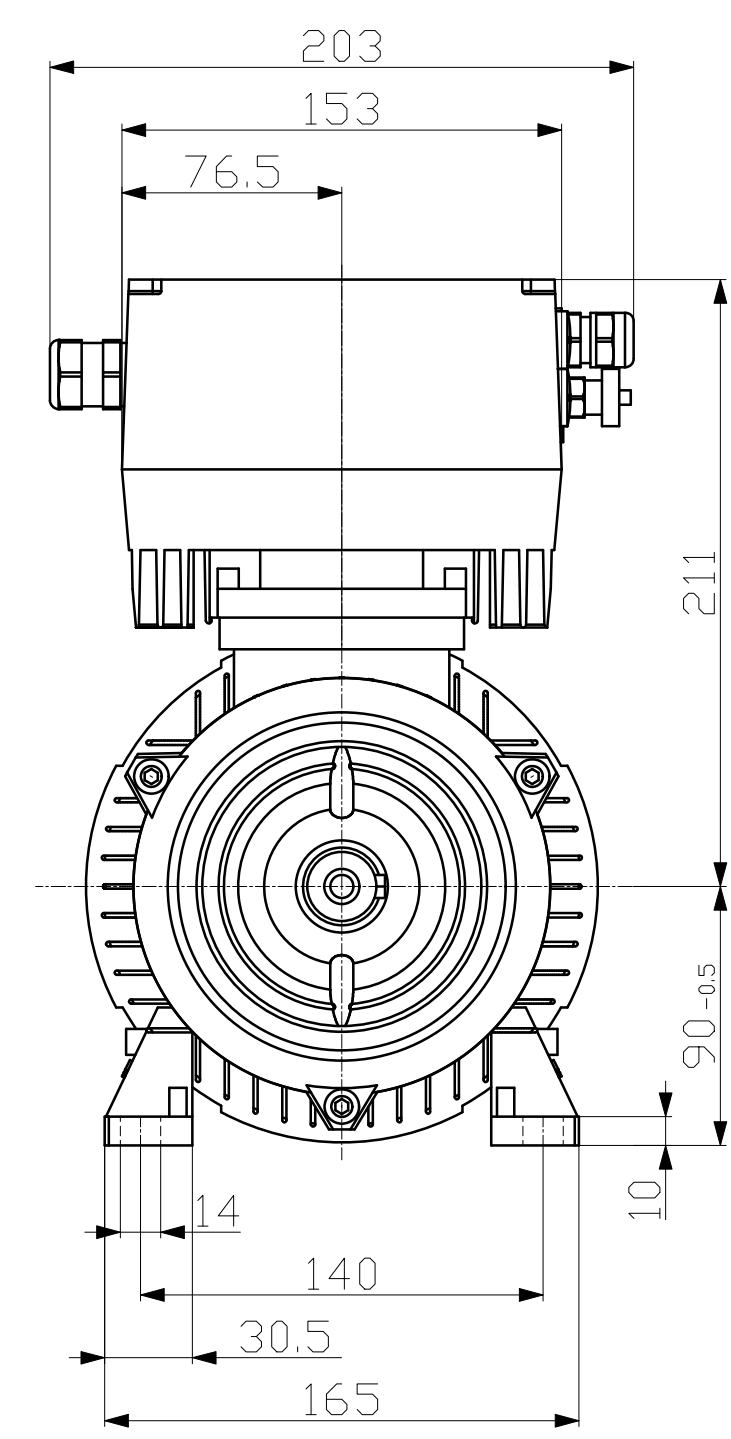
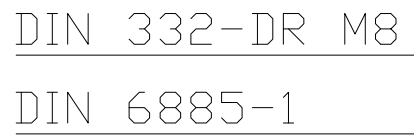
General data



1) L_{10min} according to DIN ISO 28110/2010
2) at rated power / at full load
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Tolerance	Surface	Material	Weight	Scale  mm
1UZ1005-0EK42-1AB0	Author	Dimensional drawing Maßzeichnung		
	Creator27/07/2026IPC			
	ApprovalCreated automatically			
	DepartmentIN LVM			
	Change Order	MLFB	Doc Type	
INNOMOTICS	Doc StateReleased	Item No	Paper Size	A3
	RevisionAAIndexRS	Doc No	1st Languageen 2nd Language	de
©Innomotics2026	Project No	Ref No	Sheet	1 of 1

Technische Änderungen vorbehalten!
Technical data are subject to change!

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